

ABSTRACT OF THE DISCLOSURE

A brushless motor capable of suppressing noise and vibration resulting from relative positional displacement between a sensor magnet and magnetic sensors caused by assembling errors has a 3-phase brushless motor with a 6-pole sensor magnet rotating integrally with a rotor and Hall elements arranged with an angular spacing of 20° (mechanical angle). Position signals are obtained from output signals of the Hall elements, with the phases of output signals of one or two Hall elements being inverted.